



M3 softmount

Anti-vibration standoffs for the flight controller (FC)
User manual



Read this manual before installation and keep it for future reference.

Rotorama, s.r.o. · www.rotorاما.cz

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1. Product description

1.1 What it is for

This set of four anti-vibration (softmount) standoffs is used to mount the flight controller (FC) flexibly in the drone frame. The flight characteristics of some flight controllers can be improved if they are not fixed rigidly to the frame but mounted via a softmount, which filters out part of the vibration from the motors and propellers before it reaches the gyroscope.

The standoffs have a standard M3 thread, so they can be used wherever the flight controller is mounted with M3 screws. Each standoff has a male thread ① on one side, a rubber damping section ② in the middle and a female thread ③ on the other side.



① M3 male thread · ② rubber damping section · ③ M3 female thread

1.2 Specifications and package contents

Product designation	M3 softmount for flight controller
Purpose	softmount (flexible mounting) of the flight controller
Thread	M3
Height of damping section	7 mm
Thread depth of damping section	3 mm
Thread length above damping section	4.5 mm
Weight	2.5 g / set
Package contents	4× anti-vibration standoff
Not included	M3 screws and nuts, flight controller, tools

2. Use

2.1 What you will need

- a frame with holes for mounting the flight controller with M3 screws,
- a flight controller with mounting holes for M3 screws,
- 4 M3 screws of suitable length (see step ③) and, depending on the frame design, 4 M3 nuts.

2.2 Mounting the flight controller step by step

- ① Remove the original rigid standoffs or screws that held the flight controller in the frame.
- ② Fasten the male thread of the standoff into the frame: screw it into a threaded hole, or pass it through a hole in the frame and secure it from the other side with an M3 nut. Fit all four positions in this way.
- ③ Place the flight controller on the standoffs and fasten it with M3 screws into the female threads. Choose the screw length so that the screws do not reach deeper than 3 mm into the standoff (thread depth of the damping section).
- ④ Tighten the screws gently – the rubber must not be compressed or twisted. Finally check that the flight controller is held firmly and connect the cables.

2.3 How to achieve effective damping

- The flight controller must not touch the frame, screws or other parts – vibration would be transmitted directly.
- Leave the cables connected to the flight controller slightly slack; a taut cable transmits vibration and bypasses the damping.
- An overtightened screw compresses the rubber, which then dampens less. Do not twist the rubber section forcefully when tightening; it could tear away from the metal thread.

2.4 Safety and care

- The product contains small parts. Keep it out of the reach of small children.
- Before each flight check that the flight controller is held firmly and that the rubber sections are not torn or perished. Replace a damaged standoff.
- Protect the rubber sections from solvents, oils and high temperatures.
- The product is intended for persons aged 14 and over.
- Follow the regulations when operating a drone. The law of the country in which you operate the drone is decisive.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.cz

3.2 Disposal

- The product contains no electronics or batteries and is not subject to the take-back of electrical equipment.
- The standoffs consist of a rubber and a metal part. At the end of their service life, dispose of them according to the rules of your municipality; the metal parts can be handed in for metal collection.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.